

THE CLAIMS

The text of all pending claims, including withdrawn claims, is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1. (PREVIOUSLY PRESENTED) A computer-readable recording medium recorded with a numerical analysis program for realizing on a computer:

a master model creating function for creating a master model representing a shape of an object,

a load region data creating function for creating load region data for specifying a load applying region in said master model, the load applying region being a portion of the master model to which a load will be applied, the load being at least one of an external force and a temperature, and

an analytic model generating function for generating an analytic model where the load region data created by said load region data creating function is added to the master model created by said master model creating function.

2. (ORIGINAL) A computer-readable recording medium recorded with a numerical analysis program according to claim 1, wherein

said numerical analysis program further comprises a load attribute setting function for setting up a load attribute for the load applying region specified by said load region data, and

said analytic model generating function, when a load attribute has been set up by said load attribute setting function, generates an analytic model with the load attribute added.

3. (ORIGINAL) A computer-readable recording medium recorded with a numerical analysis program according to claim 1, wherein said load region data creating function sets up the load applying region by projecting an optional shape surface onto the master model.

4. (ORIGINAL) A computer-readable recording medium recorded with a numerical analysis program according to claim 3, wherein said load region data creating function designates a projection direction of the optional shape surface with respect to said master model by a vector.

5. (PREVIOUSLY PRESENTED) A numerical analysis system comprising:
master model creating means for creating a master model representing a shape of an object,
load region data creating means for creating load region data for specifying a load applying region in said master model, the load applying region being a portion of the master model to which a load will be applied, the load being at least one of an external force and a temperature, and
analytic model generating means for generating an analytic model where the load region data created by said load region data creating means is added to the master model created by said master model creating means.

6. (ORIGINAL) A numerical analysis system according to claim 5, wherein
said numerical analysis system further comprises load attribute setting means for setting up a load attribute for the load applying region specified by said load region data, and
said analytic model generating means, when a load attribute has been set up by said load attribute setting means, generates an analytic model with the load attribute added.

7. (ORIGINAL) A numerical analysis system according to claim 5, wherein said load region data creating means sets up the load applying region by projecting an optional shape surface onto the master model.

8. (ORIGINAL) A numerical analysis system according to claim 7, wherein said load region data creating means designates a projection direction of the optional shape surface with respect to said master model by a vector.

9. (PREVIOUSLY PRESENTED) A numerical analysis method comprising:
a master model creating step for creating a master model representing a shape of an object,
a load region data creating step for creating load region data for specifying a load applying region in said master model, the load applying region being a portion of the master model to which a load will be applied, the load being at least one of an external force and a temperature, and
an analytic model generating step for generating an analytic model where the load

region data created by said load region data creating step is added to the master model created by said master model creating step.

10. (ORIGINAL) A numerical analysis method according to claim 9, wherein said numerical analysis method further comprises a load attribute setting step for setting up a load attribute for the load applying region specified by said load region data, and said analytic model generating step, when a load attribute has been set up by said load attribute setting step, generates an analytic model with the load attribute added.

11. (ORIGINAL) A numerical analysis method according to claim 9, wherein said load region data creating step sets up the load applying region by projecting an optional shape surface onto the master model.

12. (ORIGINAL) A numerical analysis method according to claim 11, wherein said load region data creating step designates a projection direction of the optional shape surface with respect to said master model by a vector.